

**New England Waste Services of ME, Inc.
dba Pine Tree Landfill
Penobscot County
Hampden, Maine
A-850-70-B-C**

**Departmental
Findings of Fact and Order
Part 70 Air Emission License
Amendment #1**

After review of the Part 70 License amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A, Section 344 and Section 590, the Department finds the following facts:

I. Registration

A. Introduction

FACILITY	New England Waste Services of ME, Inc. dba Pine Tree Landfill (PTL)
LICENSE NUMBER	A-850-70-B-C
LICENSE TYPE	Part 70 Minor Change
NAICS CODES	562212
NATURE OF BUSINESS	Solid Waste Landfill
FACILITY LOCATION	Hampden, Maine
DATE OF LICENSE ISSUANCE	June 9, 2003
DATE OF AMENDMENT ISSUANCE	October 10, 2003
LICENSE EXPIRATION DATE	June 9, 2008

B. Amendment Description

PTL has proposed replacing their existing landfill blower and flare (13.7 MMBtu/hr) with a larger system (40.5 MMBtu/hr).

The larger blower and flare will enable PTL to capture more of the gas generated in the landfill and will also allow for additional capacity to the gas control system as additional cells are added. Since PTL is not requesting a change in the size of the landfill, the gas generation rate will not change. However, the installation of the larger system is expected to have the following effects:

1. Emissions of VOC, HAP, and NMOC are expected to decrease as more of the landfill gas is captured rather than being emitted fugitively.
2. Combustion by-product emissions will increase due to the larger equipment size.

Replacement of the landfill blower and flare system does not trigger any new applicable requirements nor does it require a change to any of the facility's Standard or Special Conditions listed in Air Emission License A-850-70-A-I. Emissions associated with the facilities Fee Table will need to be updated. These changes have been incorporated in this amendment.

C. Application Classification

The replacement of the landfill blower and flare system qualifies as a Pollution Control Project (PCP) and is therefore not considered a modification to the facility subject to new source review requirements. However, this project is still subject to Best Practical Treatment (BPT). A summary of the change in permitted emissions is as follows:

<u>Pollutant</u>	<u>Current License (TPY)</u>	<u>Future License (TPY)</u>	<u>Net Change (TPY)</u>
PM	5.7	5.7	0
PM ₁₀	5.7	5.7	0
SO ₂	4.2	4.2	0
NO _x	33.8	33.8	0
CO	53.6	109.1	+55.5
VOC	49.9	49.9	0

This project is determined to be a minor change and has been processed as such.

D. Best Practical Treatment (BPT)

Since PTL's calculated NMOC emissions are less than 50 megagrams per year, this facility is not required to install a collection and control system that complies with Subpart WWW. However, PTL has voluntarily installed a collection and control system that is designed to meet the criteria set forth in Subpart WWW. This system consists of a gas collection system and flare. The new blower and flare system has a maximum heat value of 40.5 MMBtu/hr and is designed to achieve 98% overall destruction of total hydrocarbons. The flare also uses a small amount of propane as a pilot light.

The use of the landfill blower and flare as part of PTL's collection and control system has been determined to meet BPT for control of VOCs from the landfill.

E. Facility Emissions

Total Allowable Annual Emissions for the Facility
(used to calculate the license fee)

	PM	PM ₁₀	SO ₂	NO _x	CO	VOC
Flare	3.0	3.0	2.2	12.0	65.6	N/A
Generation Unit	2.7	2.7	2.0	21.8	43.5	N/A
Facility Wide Limits	N/A	N/A	N/A	N/A	N/A	49.9
Total TPY	5.7	5.7	4.2	33.8	109.1	49.9

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that emissions from this sources:

- will receive Best Practical Treatment;
- will not violate applicable emissions standards
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-850-70-B-C subject to the conditions found in Air Emission License A-850-70-A-I and in addition to the Conditions listed below.

Federally enforceable conditions in this Part 70 license must be changed pursuant to the applicable requirements in Chapter 115 for making such changes and pursuant to the applicable requirements in Chapter 140.

For each standard and special condition which is state enforceable only, state-only enforceability is designated with the following statement: **Enforceable by State-only**.

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The following are new Conditions:

- (27) This amendment shall expire concurrently with Air Emission License A-850-70-A-I

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 9/16/03

Date of application acceptance: 9/17/03

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.